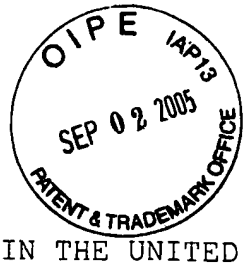
41528



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of : **RIBAK et al.**

Serial No.: 09/927,345 : Group Art Unit: 2676

Filed : August 13, 2001 : Examiner: Tam D. Tran

For : MODIFYING HYPERLINK DISPLAY CHARACTERISTICS

Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

DECLARATION UNDER 37 CFR 1.131

Sir:

We, the undersigned, Amnon Ribak, Alan Wecker, Michal Jacovi and Vladimir Soroka, hereby declare as follows:

1) We are the Applicants in the patent application identified above, and are co-inventors of the subject matter described and claimed in claims 1-36 therein.

2) In a previous Declaration under 37 CFR 1.131 (signed on May 13, 2004, and submitted to the USPTO on May 26, 2004), we proved that we reduced our invention to practice in Israel, a WTO country, in time to demonstrate a working prototype of the invention at the IBM KM 2001 conference in Zurich, Switzerland, held April 25-27, 2001. In other words, our previous Declaration, which is incorporated herein by reference, proved that our invention was reduced to practice

by April 25, 2001.

3) We conceived our invention in Israel prior to March 23, 2001. Evidence of conception of the invention is provided by a proposal we presented in an internal IBM forum, entitled "Enriching Content with Context-Dependent, Information-Rich Hyperlinks." A copy of this proposal is attached hereto as Appendix A. The date that has been blacked out on the first page of the proposal is earlier than March 23, 2001.

4) Conception of the invention recited in at least claims 1, 2 and 5 of the present patent application is demonstrated on page 5 of Appendix A. This slide discloses the idea of a Web browser that includes "verbosity sliders," which allow a user to indicate the desired visibility of hyperlinks of different types.

5) We then worked diligently on our invention beginning on a date prior to March 23, 2001, and continuing up to the actual reduction of the invention to practice the following month. Evidence of our work is provided by a C-language code listing entitled "LiveEditor1.h," which is attached hereto as Appendix B. According to our file archive records, this code was completed on March 25, 2001. The code defines slider controls for Internet, Intranet, Glossary and Dictionary sliders, as are shown on page 5 of Appendix A. These controls are also shown in the figures of the present patent application and in the appendix to our previous Declaration.

6) During the month that followed, we prepared the HTML code implementation of our invention that we used in our

demonstration at the above-mention KM 2001 conference. (This HTML code was attached to our previous Declaration as Appendix B.) We completed and tested the HTML code prior to April 25, 2001, and thus were able to use this code in demonstrating our invention at the conference.

7) To summarize the facts stated above, we conceived our invention prior to March 23, 2001. We then worked diligently on the invention during a period starting prior to March 23, 2001, and finishing with actual reduction to practice, which took place no later than April 25, 2001.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and conjecture are thought to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issued thereon.

US 09/927,345

Declaration under 37 C.F.R 1.131 by Ribak, Wecker, Jacovi and Soroka

Amnon Ribak, Citizen of
Israel
251 Yuvalim 20142
Israel

Date: 30/08/2005

Alan Wecker, Citizen of
Israel and U.S.A after
Moreshet 20186
Israel

Date: 30/08/2005

Michal Jacovi
P.O. Box 61
Rakefet 20175, Israel

Date: 30/08/2005

Michal Jacovi

Vladimir Soroka
15/4 Einav Street
Carmiel 21971, Israel

Date: 30/8/2005

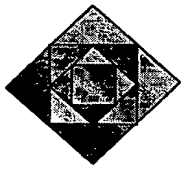
APPENDIX A

Enriching Content With Context-Dependent, Information-Rich Hyperlinks

A Proposal for IBM's WPS

[redacted]

IBM R&D Labs in Israel



Presentation Layout

- **Enriching Content With Hyperlinks -**
  - State of the Art
  - New Directions
    - New Directions - Client Side
    - New Directions - Server Side
- **Why WPS?**
- **Why HRL?**

Enriching Content With Hyperlinks - State of the Art:

- Hypertext links provide easy access to additional information, usually by selecting the highlighted text.
- Links can provide access not only to other documents or URLs, but also to pop-up boxes with translation, image or video description, audio pronunciation, search results and other sources of information directly related to the highlighted text.
- There are systems today (see http://www.richlink.com) for automatically annotating texts by
  - converting almost any word or phrase in it to a hyperlink
    - using glossaries, dictionaries, corporate databases, etc..
  - linking one phrase to more than one target
- The XML Linking Language (see http://www.w3.org/TR/xlink) recommends a standard namespace for the presentation of multiple, information-rich hyperlinks.

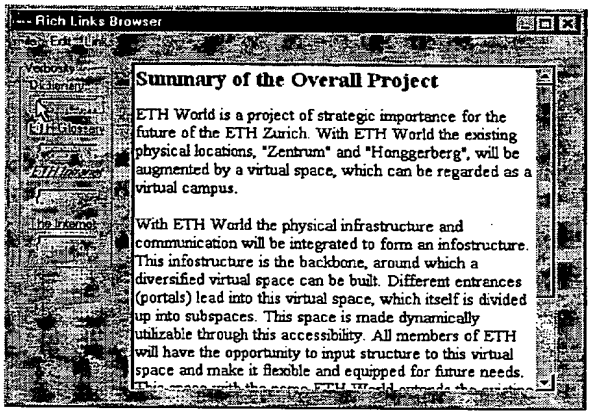
Enriching Content With Hyperlinks - New Directions

- **We suggest an approach that that supports adding, displaying and obscuring information to hypertext links.**
- **By augmenting the XLink namespace, our approach allows adding information about the target:**
  - **Media type** - a document, a database query, an image, an audio stream, etc...
  - **Content type** - translation, stock quote, history, personal home page, etc...
  - **Source** or **Authority**,
  - **Availability** - Ho long will it take to load, is person on-line, etc...
- **Using our proposed 'verbosity' attribute, authors and viewers can indicate the level of hypertext link visibility, controlling the amount of 'noise' and distraction in a text.**

New Directions - Client Side

- **Client - typically Web Browser - will include 'verbosity sliders' that will allow user to indicate the desired visibility of hyperlinks of different types.**

It may also contain a set of check-boxes, each representing one media type, so user can decide which types of links should be displayed



New Directions - Server Side

- **Personalization rules direct automatic creation of links, and influences their verbosity levels**
  - Reader's nationality
    - Different dictionaries and glossaries
  - Reader's role -
    - Sales people and engineers may get different links
  - Reader's preferences
    - Indicated explicitly or learned by the system
- **Target device control direct amount and type of links added to the content**
  - All links in HTML and XML for large-screen browsers
  - limited amount in WML for WAP-enabled phones or PDA's
  - voice-enabled links to VXML for voice access
  - etc...

Why WPS?

- **An Enterprise Portal allows for creating a multiplicity of links, based on**
  - Enterprise information
  - Enterprise rules
  - Personal data
- **A Vertical Portal allows enriching content with links to updates information and commercial opportunities**
- **WPS Personalization provides the perfect platform for controlling the type and verbosity of links**

Why HRL?

- **Inventors and implementors of the 'Verbosity' attribute on links**
  - Prototypes exist of both client and server
- **Rich experience in Information Retrieval and Organization**
- **Rich knowledge in XML, XSL, Servlets**

APPENDIX B

LiveEditor1.h

```
#if !defined(AFX_LIVEEDITOR1_H__88027BD2_08D5_11D5_9179_002035AE84C2__INCLUDED_)
#define AFX_LIVEEDITOR1_H__88027BD2_08D5_11D5_9179_002035AE84C2__INCLUDED_

#if _MSC_VER > 1000
#pragma once
#endif // _MSC_VER > 1000
// LiveEditor1.h : header file
//

#include <afxcmn.h>
#include <EXDISP.H>
#include <MSHTML.H>

/////////////////////////////////////////////////////////////////////////////
// CLiveEditor dialog

class CLiveEditor : public CDialog
{
IWebBrowser2* m_spWebBrowser2;

// Construction
public:
        CLiveEditor(CWnd* pParent = NULL);   // standard constructor
    void SetBrowser(IWebBrowser2* webBrowser);
        virtual BOOL Create( UINT nIDTemplate, CWnd* pParentWnd = NULL );
        // Dialog Data
        //{{AFX_DATA(CLiveEditor)
        enum { IDD = IDD_LIVEEDITOR };
        CSliderCtrl     m_SliderIntranet;
        CSliderCtrl     m_SliderInternet;
        CSliderCtrl     m_SliderGlossary;
        CSliderCtrl     m_SliderDict;
        //}}AFX_DATA

        CFont* m_IntranetFont;


// Overrides
        // ClassWizard generated virtual function overrides
        //{{AFX_VIRTUAL(CLiveEditor)
        protected:
        virtual void DoDataExchange(CDataExchange* pDX);    // DDX/DDV support
        //}}AFX_VIRTUAL

// Implementation
protected:

        // Generated message map functions
        //{{AFX_MSG(CLiveEditor)
        afx_msg void OnReleasedcaptureSliderDict(NMHDR* pNMHDR, LRESULT*
pResult);
        afx_msg void OnReleasedcaptureSliderGlossary(NMHDR* pNMHDR, LRESULT*
pResult);
        afx_msg void OnReleasedcaptureSliderInternet(NMHDR* pNMHDR, LRESULT*
pResult);
        afx_msg void OnReleasedcaptureSliderIntranet(NMHDR* pNMHDR, LRESULT*
pResult);
        afx_msg HBRUSH OnCtlColor(CDC* pDC, CWnd* pWnd, UINT nCtlColor);
        afx_msg void OnPaint();
        //}}AFX_MSG
        DECLARE_MESSAGE_MAP()
        BOOL CallJsFunction(const char* szFunc);
        IHTMLWindow2* CheckJsFunction(const char* szFuncName);
        BOOL CallSliderFunction(UINT iSliderId, UINT iSliderPosition);
};

//{{AFX_INSERT_LOCATION}}
// Microsoft Visual C++ will insert additional declarations immediately before
```

```
the previous line.

#endif //
!defined(AFX_LIVEEDITOR1_H__88027BD2_08D5_11D5_9179_002035AE84C2__INCLUDED_)
```